JP2000-112360

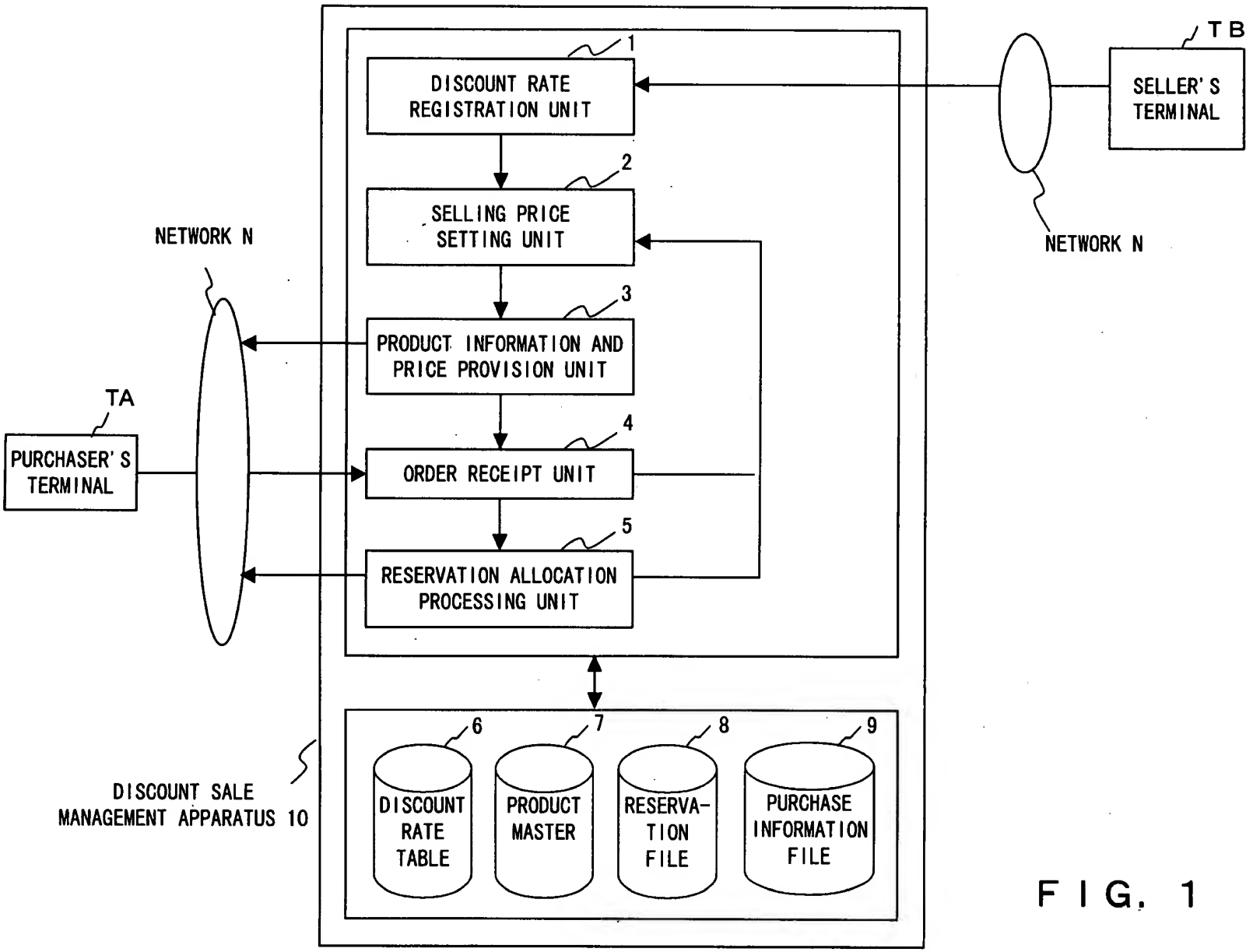



FIG. 1

DISCOUNT RATE TABLE 6

| NO. | DATA NAME | ATTRIBUTE | LENGTH | VALUE |
|---|---|---|---|---|
| 1 | PRODUCT CODE | Num | 8 | 00000001 |
| 2 | ORIGINAL PRICE | Num | 7 | 5000 |
| 3 | DISCOUNT RATE PRICE | OCCURS | | |
| 3-1 | DISCOUNT RATE 1 | Num | 3 | 50 |
| 3-2 | DATE 1 | Date | 8 | 20000901 |
| | DATE 2 | Date | 8 | 20000902 |
| | DATE 3 | Date | 8 | 20000903 |
| | DATE 4 | Date | 8 | 20000904 |
| | DATE 5 | Date | 8 | 20000905 |
| | DATE 6 | Date | 8 | 20000906 |
| | DATE 7 | Date | 8 | 20000907 |
| 3-3 | DISCOUNT PRICE 1 | Num | 7 | 2500 |
| | DISCOUNT PRICE 2 | Num | 7 | 2250 |
| | DISCOUNT PRICE 3 | Num | 7 | 2000 |
| | DISCOUNT PRICE 4 | Num | 7 | 1750 |
| | DISCOUNT PRICE 5 | Num | 7 | 1500 |
| | DISCOUNT PRICE 6 | Num | 7 | 1250 |
| | DISCOUNT PRICE 7 | Num | 7 | 1000 |
| 4 | BOTTOM PRICE | Num | 7 | 1000 |
| 5 | DISCOUNT QUANTITY | Num | 4 | 50 |
| 6 | SALES QUANTITY | Num | 4 | 2 |
| 7 | DISCOUNT SALE START DATE | Date | 8 | 20000901 |
| | | | | |

FIG. 2

PRODUCT MASTER 7

| NO. | DATA NAME | ATTRIBUTE | LENGTH | EXAMPLE |
|---|---|---|---|---|
| 1 | PRODUCT CODE | Num | 8 | 00000001 |
| 2 | PRODUCT NAME | Cha | 30 | CLIP ART |
| : | : | | | |
| 3 | SELLING PRICE | Num | 7 | 5000 |
| : | : | | | |
| | | | | |

FIG. 3

RESERVATION FILE 8

| NO. | DATA NAME | ATTRIBUTE | LENGTH | VALUE |
|---|---|---|---|---|
| 1 | PRODUCT CODE | Num | 8 | 00000001 |
| 2 | NAME | Cha | 20 | HANAKO AOMORI |
| 3 | ZIP CODE | Num | 7 | 0300000 |
| 4 | ADDRESS | Cha | 60 | AOMORI-SHI, AOMORI PREFECTURE |
| 5 | PHONE NUMBER | Num | 15 | 017-777-7777 |
| 6 | e-mail ADDRESS | Cha | 30 | a_hanako@infoXXXXX.me.jp |
| 7 | SEX | Num | 1 | 2 |
| 8 | AGE | Num | 3 | 20 |
| 9 | OCCUPATION | Cha | 20 | STUDENT |
| 10 | PAYMENT METHOD | Num | 1 | 3 |
| 11 | RESERVATION DATE | Date | 8 | 20000820 |
| 12 | RESERVED SELLING PRICE | Num | 7 | 2000 |
| 13 | RESERVATION SUCCESS /FAILURE | Num | 1 | 0 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

FIG. 4

PURCHASE INFORMATION FILE 9

| NO. | DATA NAME | ATTRIBUTE | LENGTH | VALUE |
|---|---|---|---|---|
| 1 | PRODUCT CODE | Num | 8 | 00000001 |
| 2 | NAME | Cha | 20 | HANAKO AOMORI |
| 3 | ZIP CODE | Num | 7 | 0300000 |
| 4 | ADDRESS | Cha | 60 | AOMORI-SHI, AOMORI PREFECTURE |
| 5 | PHONE NUMBER | Num | 15 | 017-777-7777 |
| 6 | e-mail ADDRESS | Cha | 30 | a_hanako@infoXXXXX.me.jp |
| 7 | SEX | Num | 1 | 2 |
| 8 | AGE | Num | 3 | 20 |
| 9 | OCCUPATION | Cha | 20 | STUDENT |
| 10 | PAYMENT METHOD | Num | 1 | 3 |
| 11 | PURCHASE DATE | Date | 8 | 20000820 |
| 12 | SELLING PRICE | Num | 7 | 2000 |
| 13 | PAYMENT DATE | Date | 8 | 20000910 |
| 14 | MONEY RECEIPT DATE | Date | 8 | 00000000 |
| 15 | RECEIPT AMOUNTS | Num | 7 | 0 |
| 16 | MONEY RECEIPT FLAG | Num | 1 | 0 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

FIG. 5

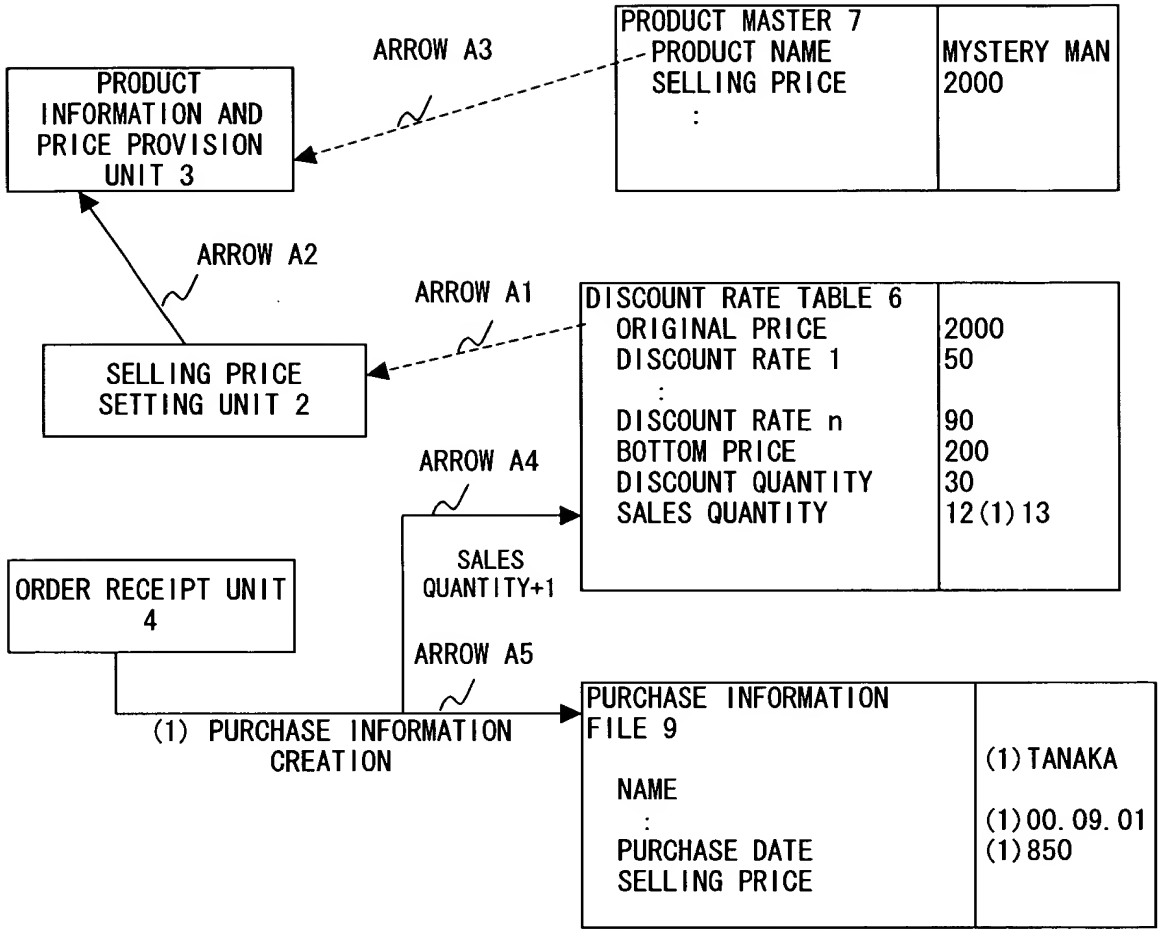

PRODUCT MASTER 7
PRODUCT NAME
SELLING PRICE
:
MYSTERY MAN
2000
ARROW A3
PRODUCT INFORMATION AND PRICE PROVISION UNIT 3
ARROW A2
ARROW A1
SELLING PRICE SETTING UNIT 2
DISCOUNT RATE TABLE 6
ORIGINAL PRICE
DISCOUNT RATE 1
:
DISCOUNT RATE n
BOTTOM PRICE
DISCOUNT QUANTITY
SALES QUANTITY
2000
50
90
200
30
12(1)13
ARROW A4
SALES QUANTITY+1
ORDER RECEIPT UNIT 4
ARROW A5
(1) PURCHASE INFORMATION CREATION
PURCHASE INFORMATION FILE 9
NAME
:
PURCHASE DATE
SELLING PRICE
(1)TANAKA
(1)00.09.01
(1)850

FIG. 6

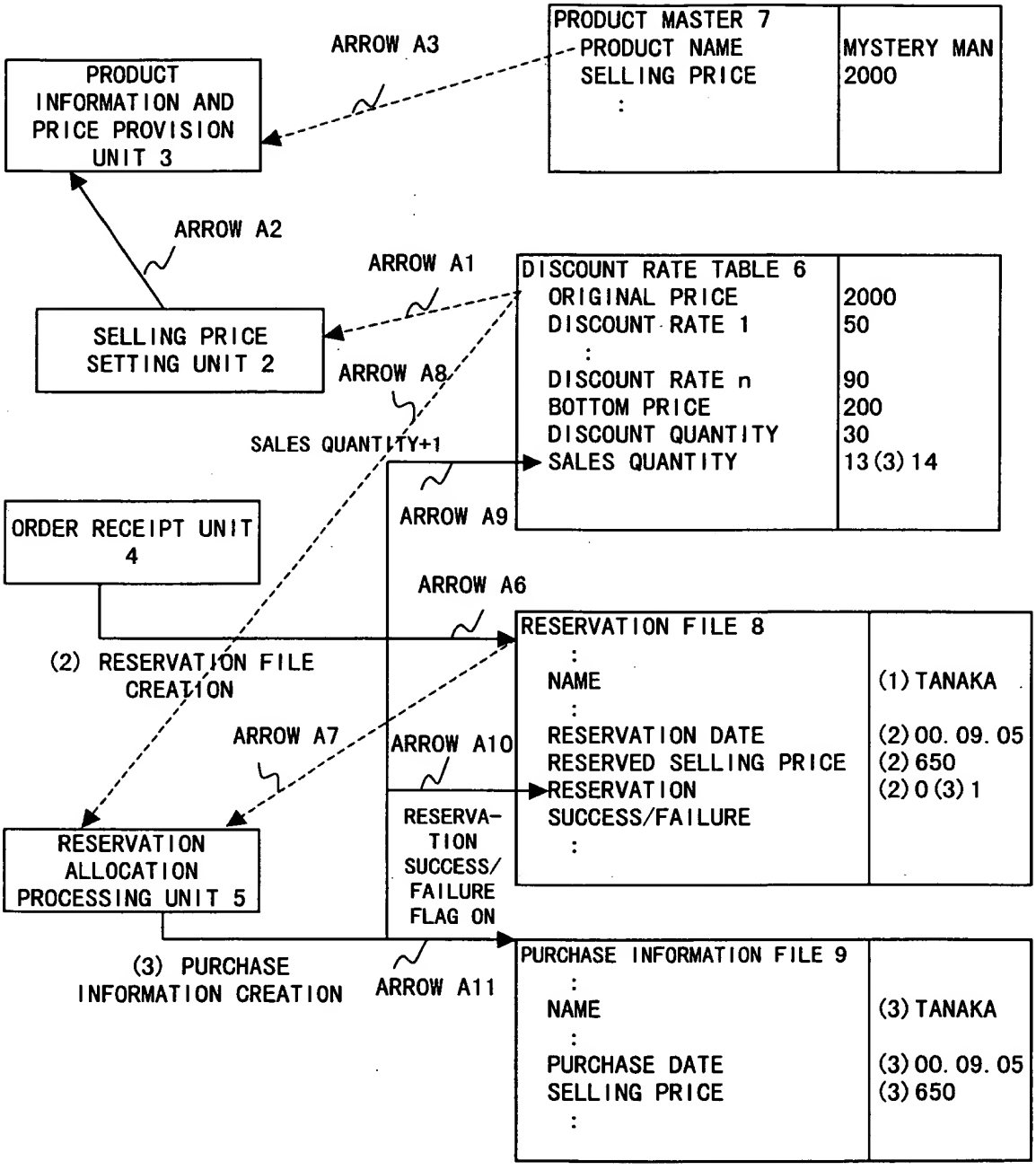

PRODUCT MASTER 7
PRODUCT NAME
SELLING PRICE
:
MYSTERY MAN
2000
ARROW A3
PRODUCT INFORMATION AND PRICE PROVISION UNIT 3
ARROW A2
ARROW A1
DISCOUNT RATE TABLE 6
ORIGINAL PRICE
DISCOUNT RATE 1
:
DISCOUNT RATE n
BOTTOM PRICE
DISCOUNT QUANTITY
SALES QUANTITY
2000
50
90
200
30
13(3)14
SELLING PRICE SETTING UNIT 2
ARROW A8
SALES QUANTITY+1
ARROW A9
ORDER RECEIPT UNIT 4
ARROW A6
RESERVATION FILE 8
:
NAME
:
RESERVATION DATE
RESERVED SELLING PRICE
RESERVATION SUCCESS/FAILURE
:
(1)TANAKA
(2)00.09.05
(2)650
(2)0(3)1
(2) RESERVATION FILE CREATION
ARROW A7
ARROW A10
RESERVATION ALLOCATION PROCESSING UNIT 5
RESERVATION SUCCESS/FAILURE FLAG ON
(3) PURCHASE INFORMATION CREATION
ARROW A11
PURCHASE INFORMATION FILE 9
:
NAME
:
PURCHASE DATE
SELLING PRICE
:
(3)TANAKA
(3)00.09.05
(3)650

FIG. 7

TOTZED:T80T860

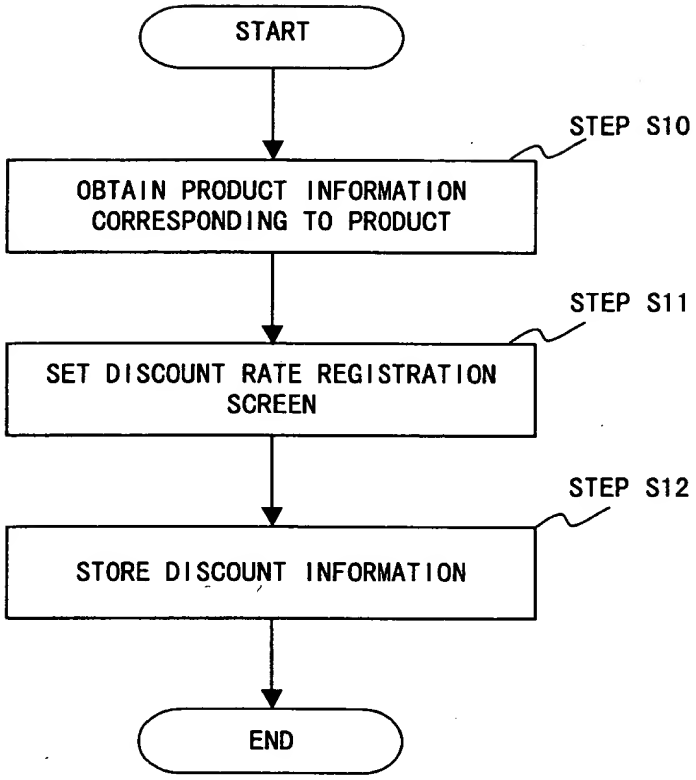
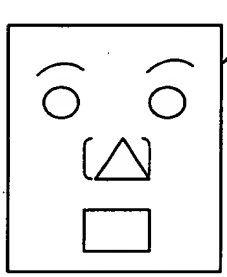



FIG. 8




| WORK PROFILE | |
|---|---|
| TITLE | COMMON MAN (ILLUSTRATION ) |
| AUTHOR | MICHIKO FUJI |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SALE START DATE | SEPTEMBER 1, 2000 | | | ORIGINAL PRICE | 5000 YEN | BOTTOM PRICE | 1000 YEN |
| DISCOUNT RATE | 50 % | REDUCTION RATE | 5% | SETTING INTERVAL | ONE DAY | DISCOUNT QUANTITY | 50 |

DISCOUNT PRICE TRANSITION TABLE

| DATE | DISCOUNT RATE | DISCOUNT AMOUNT | SELLING PRICE |
|---|---|---|---|
| SEPTEMBER 1 | 50% | 2, 500 YEN | 2, 500 YEN |
| SEPTEMBER 2 | 55% | 2, 750 YEN | 2, 250 YEN |
| SEPTEMBER 3 | 60% | 3, 000 YEN | 2, 000 YEN |
| SEPTEMBER 4 | 65% | 3, 250 YEN | 1, 750 YEN |
| SEPTEMBER 5 | 70% | 3, 500 YEN | 1, 500 YEN |
| SEPTEMBER 6 | 75% | 3, 750 YEN | 1, 250 YEN |
| SEPTEMBER 7 | 80% | 4, 000 YEN | 1, 000 YEN |

FIG. 9

JP 2002-163560 A 2002.6.7

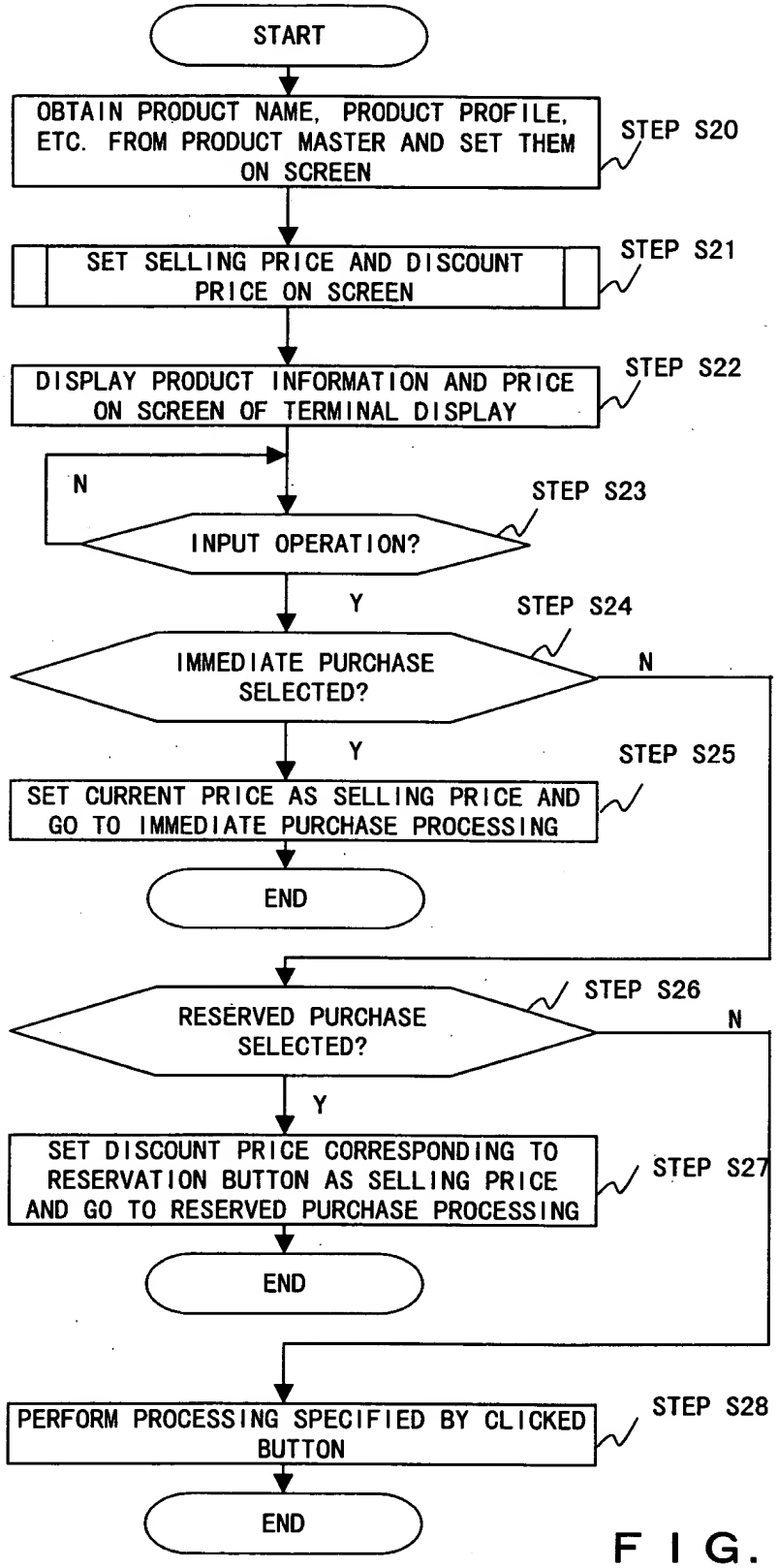



FIG. 10

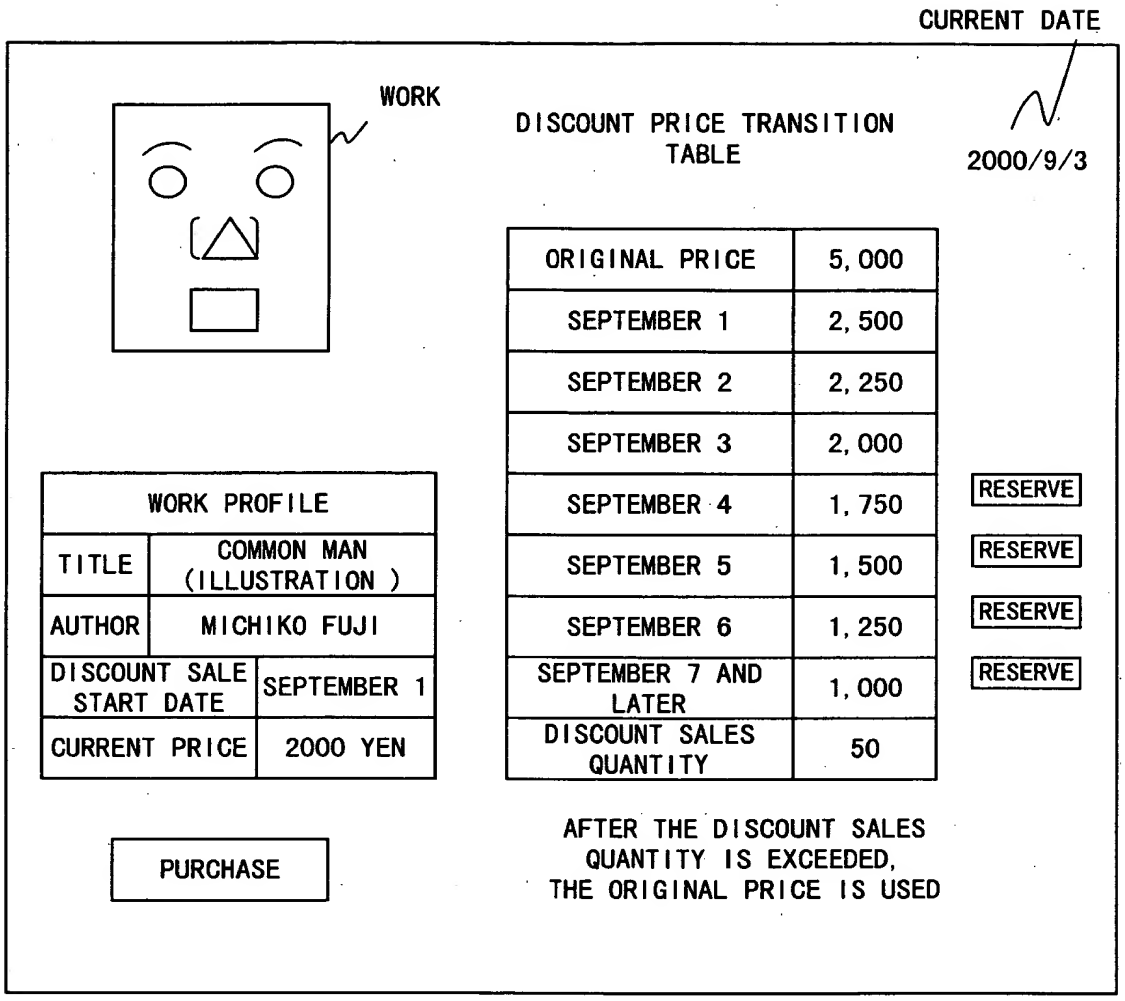

CURRENT DATE
WORK
DISCOUNT PRICE TRANSITION TABLE
2000/9/3
ORIGINAL PRICE 5,000
SEPTEMBER 1 2,500
SEPTEMBER 2 2,250
SEPTEMBER 3 2,000
SEPTEMBER 4 1,750
SEPTEMBER 5 1,500
SEPTEMBER 6 1,250
SEPTEMBER 7 AND LATER 1,000
DISCOUNT SALES QUANTITY 50
RESERVE
RESERVE
RESERVE
RESERVE
WORK PROFILE
TITLE COMMON MAN (ILLUSTRATION )
AUTHOR MICHIKO FUJI
DISCOUNT SALE START DATE SEPTEMBER 1
CURRENT PRICE 2000 YEN
PURCHASE
AFTER THE DISCOUNT SALES QUANTITY IS EXCEEDED, THE ORIGINAL PRICE IS USED

FIG. 11

EP 2 525 317 A1

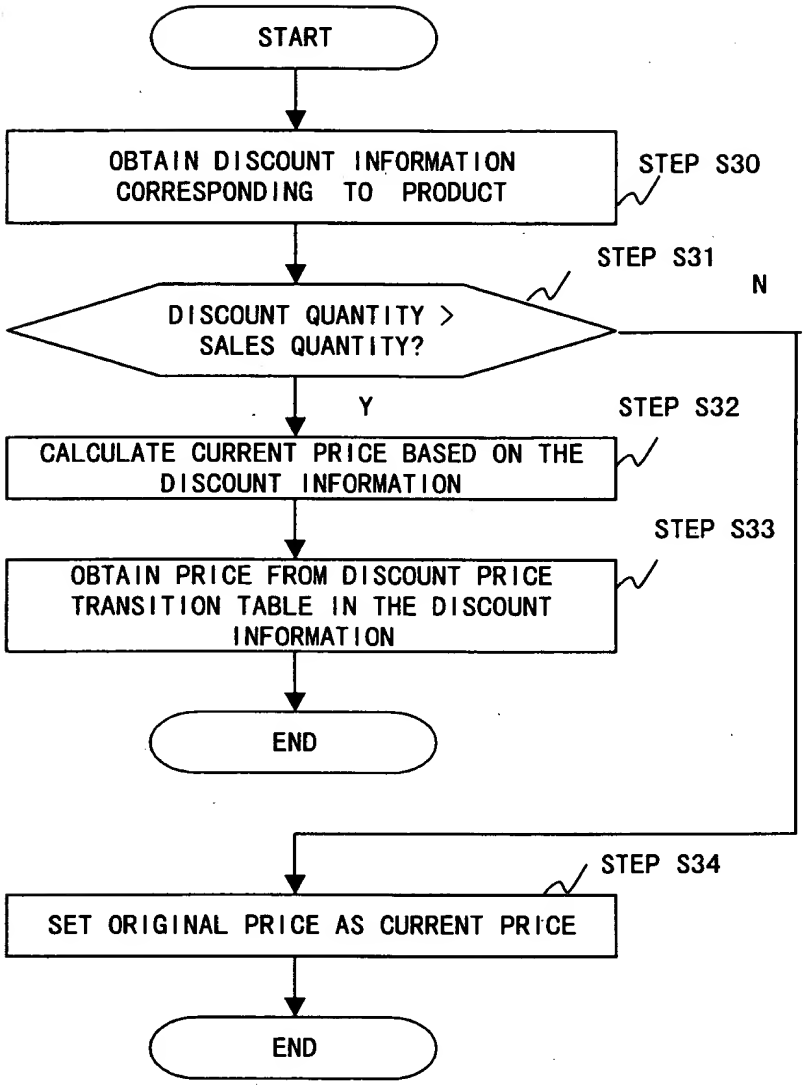



FIG. 12

JP2000-132860

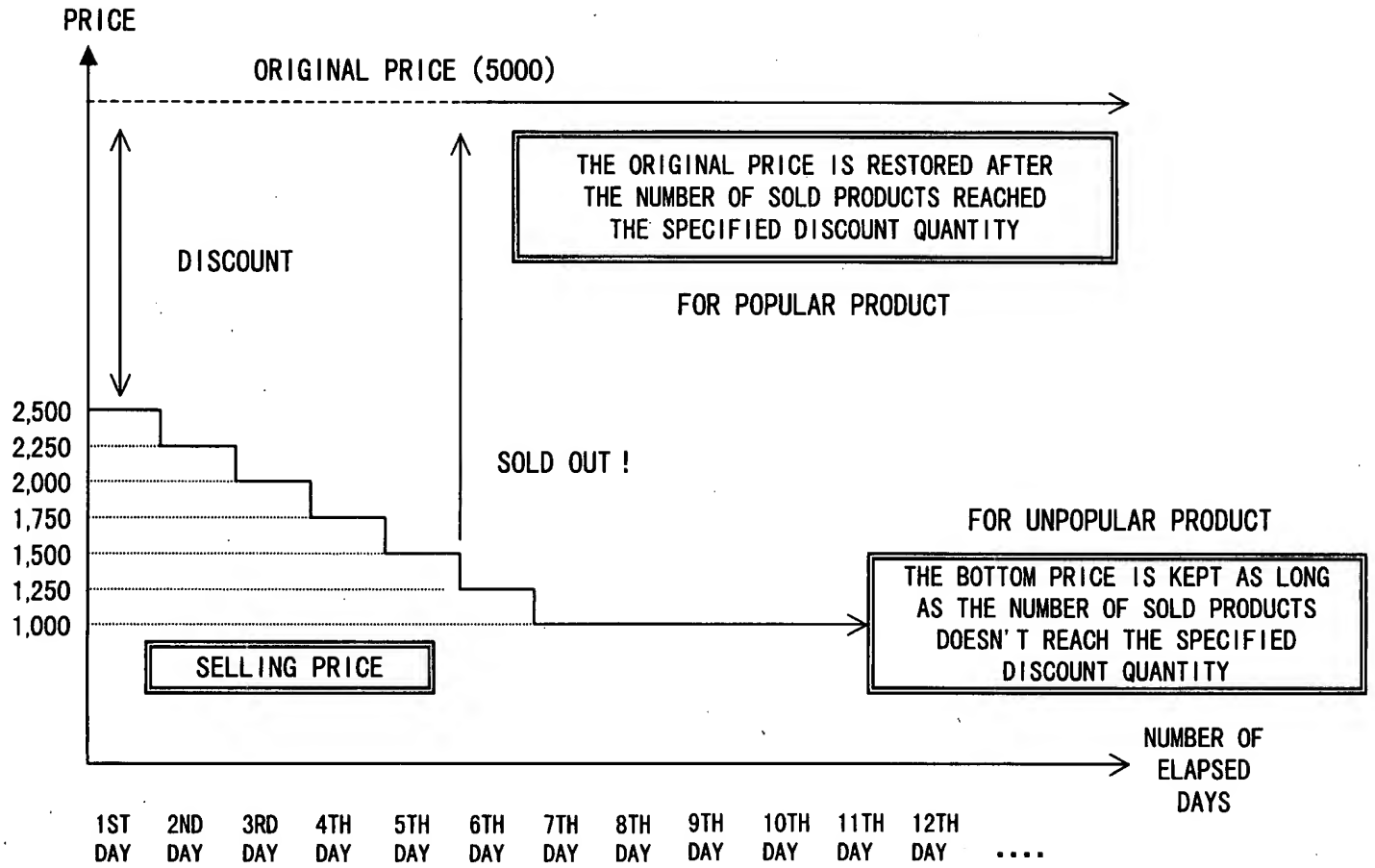



FIG. 13

EPSON-1010

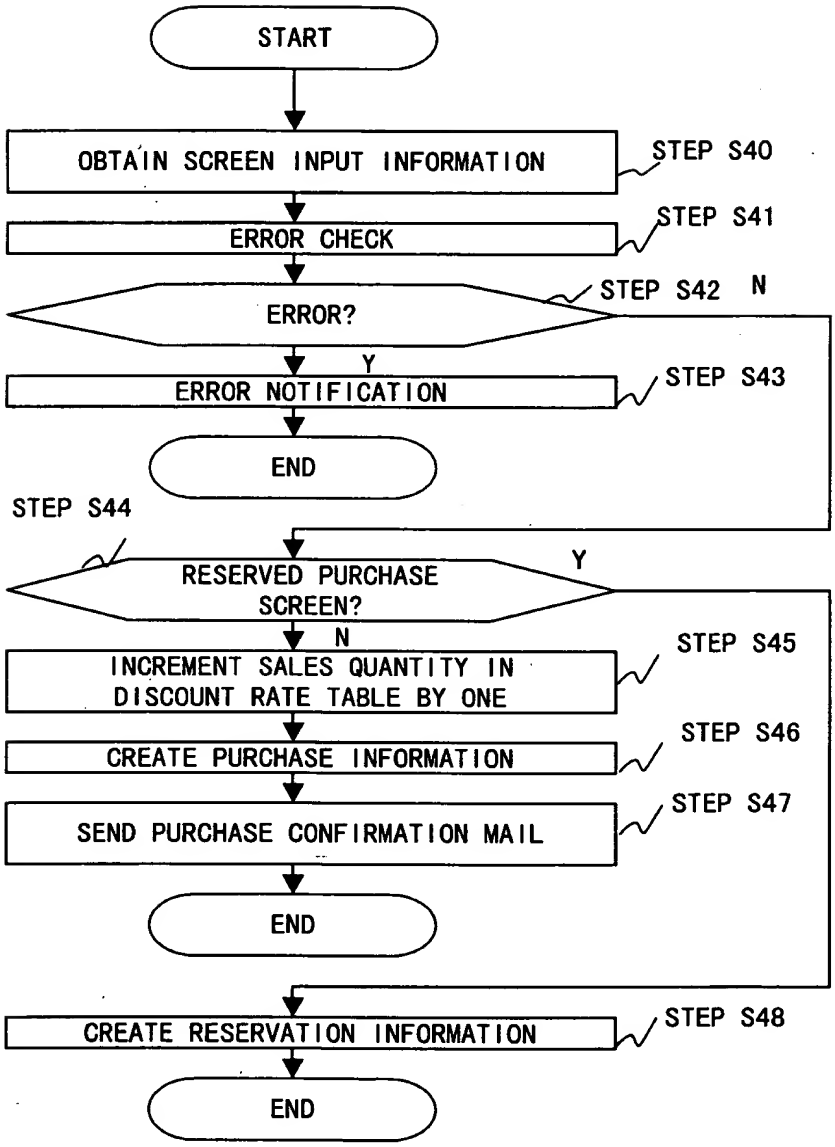



FIG. 14

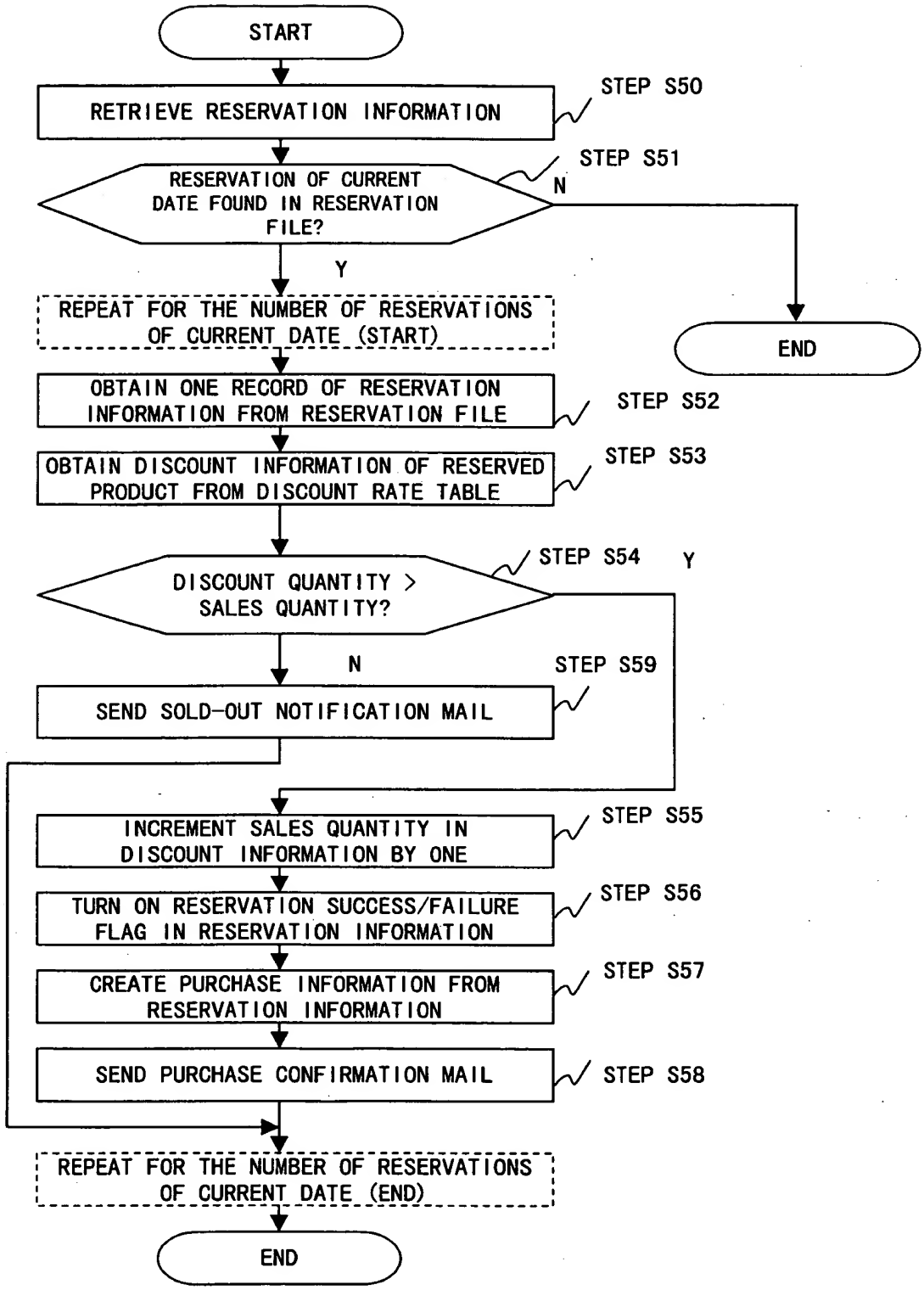

START
RETRIEVE RESERVATION INFORMATION
STEP S50
RESERVATION OF CURRENT DATE FOUND IN RESERVATION FILE?
STEP S51
N
Y
END
REPEAT FOR THE NUMBER OF RESERVATIONS OF CURRENT DATE (START)
OBTAIN ONE RECORD OF RESERVATION INFORMATION FROM RESERVATION FILE
STEP S52
OBTAIN DISCOUNT INFORMATION OF RESERVED PRODUCT FROM DISCOUNT RATE TABLE
STEP S53
DISCOUNT QUANTITY > SALES QUANTITY?
STEP S54
Y
N
STEP S59
SEND SOLD-OUT NOTIFICATION MAIL
INCREMENT SALES QUANTITY IN DISCOUNT INFORMATION BY ONE
STEP S55
TURN ON RESERVATION SUCCESS/FAILURE FLAG IN RESERVATION INFORMATION
STEP S56
CREATE PURCHASE INFORMATION FROM RESERVATION INFORMATION
STEP S57
SEND PURCHASE CONFIRMATION MAIL
STEP S58
REPEAT FOR THE NUMBER OF RESERVATIONS OF CURRENT DATE (END)
END

FIG. 15

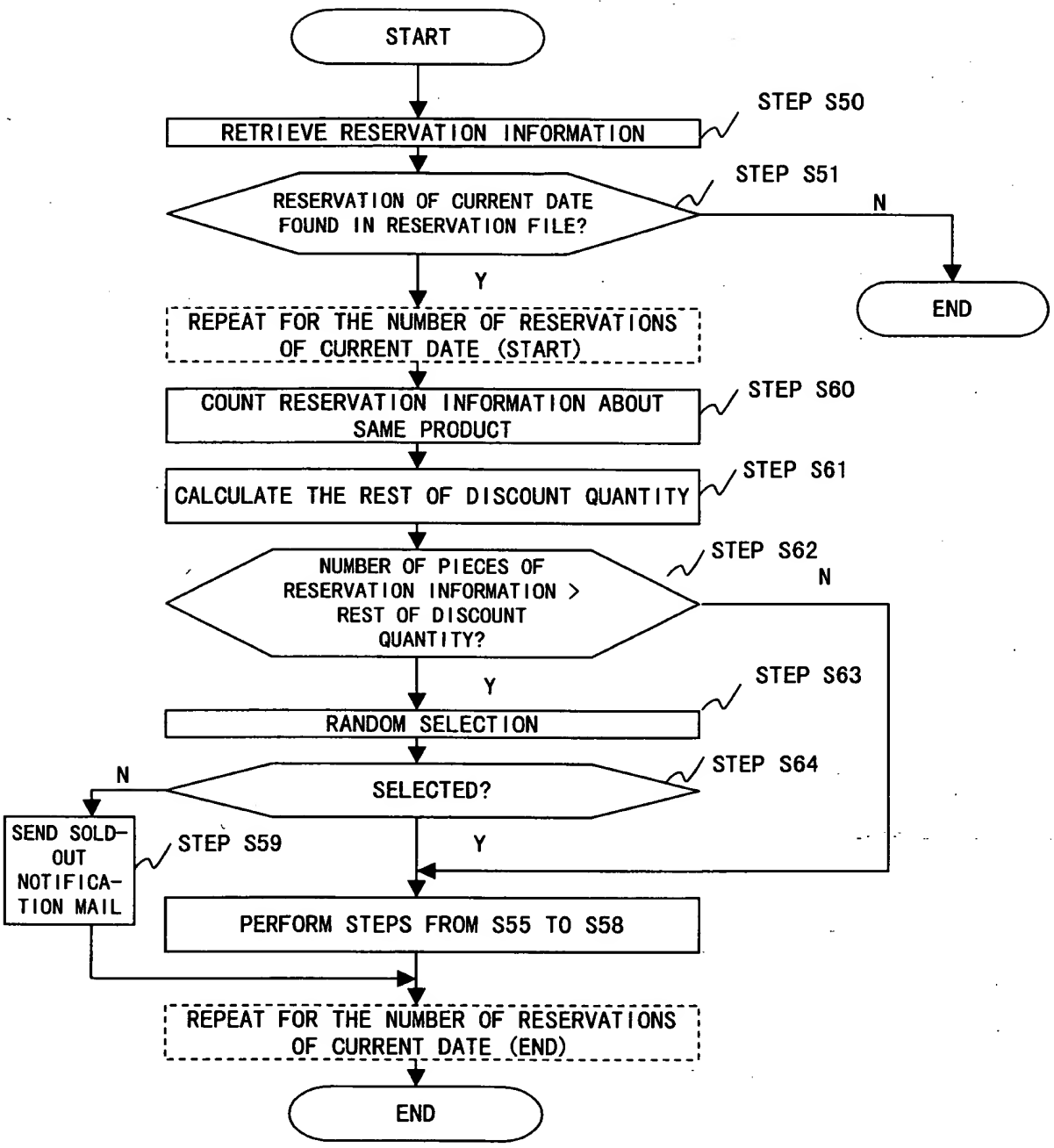

START
RETRIEVE RESERVATION INFORMATION
STEP S50
RESERVATION OF CURRENT DATE FOUND IN RESERVATION FILE?
STEP S51
N
END
Y
REPEAT FOR THE NUMBER OF RESERVATIONS OF CURRENT DATE (START)
COUNT RESERVATION INFORMATION ABOUT SAME PRODUCT
STEP S60
CALCULATE THE REST OF DISCOUNT QUANTITY
STEP S61
NUMBER OF PIECES OF RESERVATION INFORMATION > REST OF DISCOUNT QUANTITY?
STEP S62
N
Y
RANDOM SELECTION
STEP S63
SELECTED?
STEP S64
N
SEND SOLD-OUT NOTIFICATION MAIL
STEP S59
Y
PERFORM STEPS FROM S55 TO S58
REPEAT FOR THE NUMBER OF RESERVATIONS OF CURRENT DATE (END)
END

FIG. 16

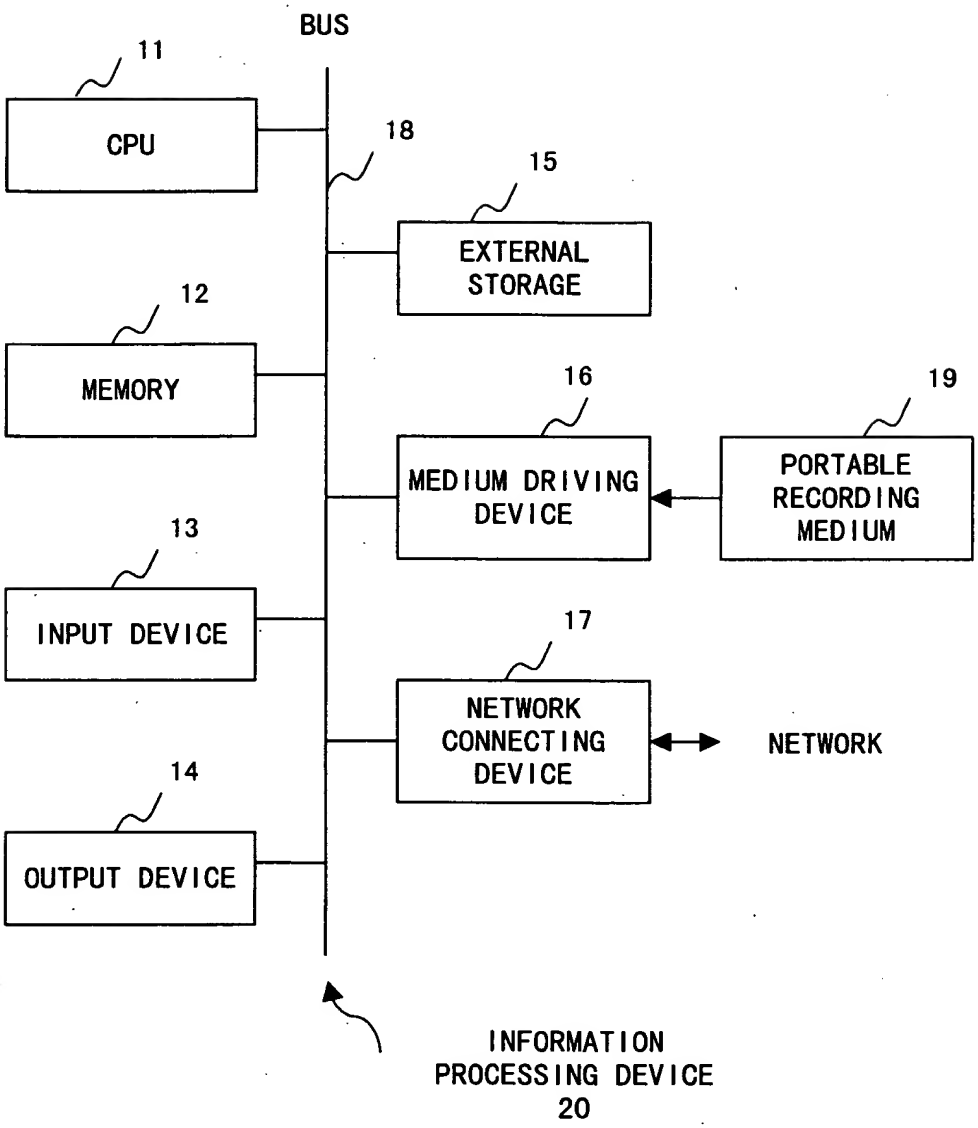

BUS
11
CPU
18
15
EXTERNAL STORAGE
12
MEMORY
16
19
MEDIUM DRIVING DEVICE
PORTABLE RECORDING MEDIUM
13
INPUT DEVICE
17
NETWORK CONNECTING DEVICE
NETWORK
14
OUTPUT DEVICE
INFORMATION PROCESSING DEVICE 20

FIG. 17

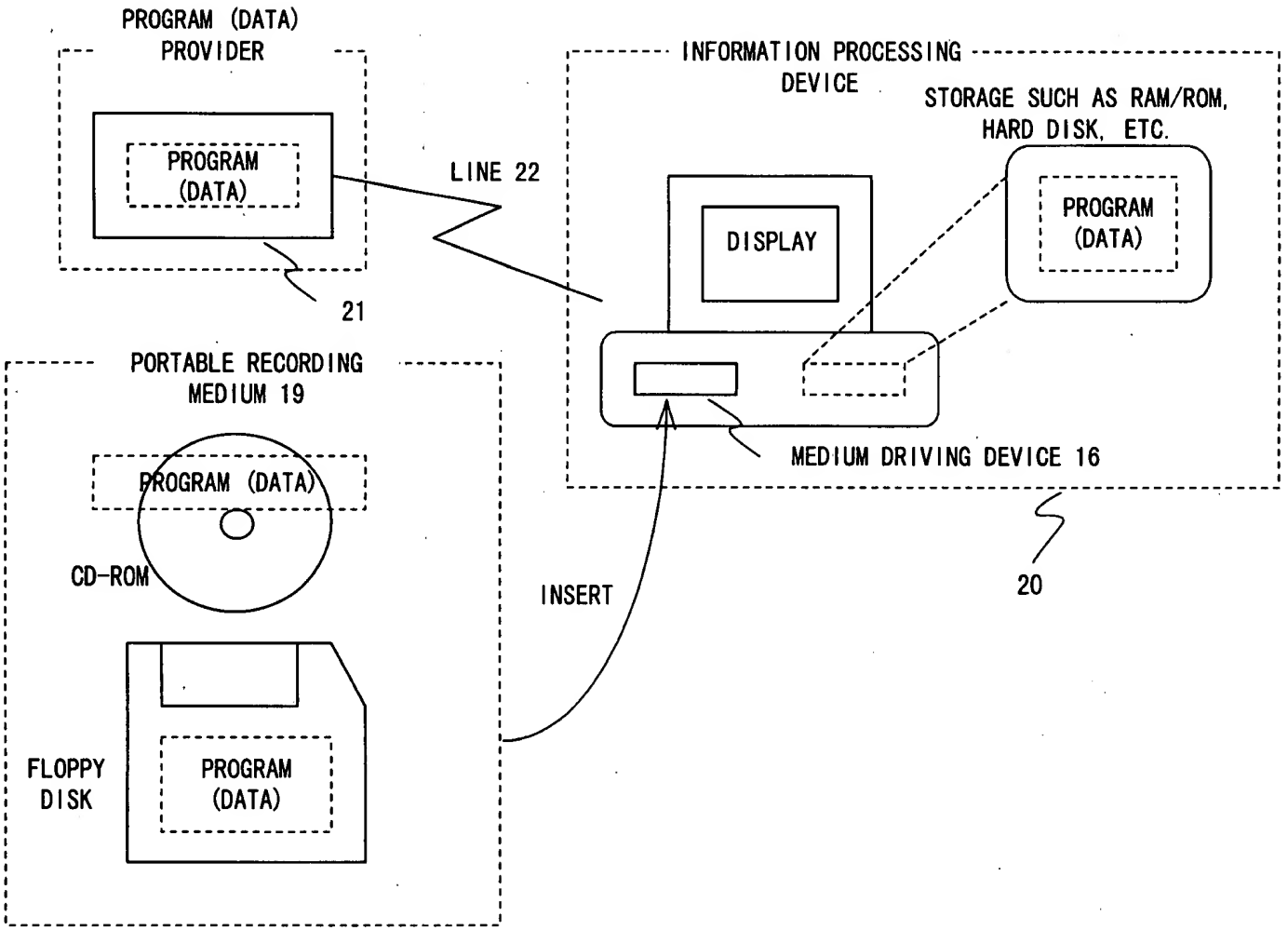

PROGRAM (DATA)
PROVIDER
PROGRAM
(DATA)
21
LINE 22
INFORMATION PROCESSING
DEVICE
STORAGE SUCH AS RAM/ROM,
HARD DISK, ETC.
DISPLAY
PROGRAM
(DATA)
PORTABLE RECORDING
MEDIUM 19
PROGRAM (DATA)
CD-ROM
INSERT
MEDIUM DRIVING DEVICE 16
20
FLOPPY
DISK
PROGRAM
(DATA)

FIG. 18